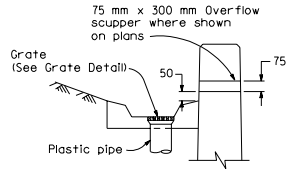




DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

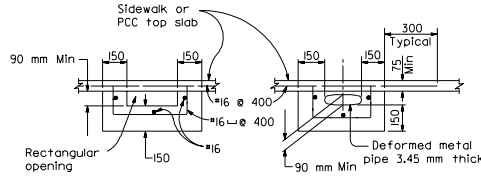
REGISTERED CIVIL ENGINEER
 James C. Niles
 No. C 16816
 Exp. 6-30-01
 CIVIL
 STATE OF CALIFORNIA

July 1, 1999
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



WALL DRAIN DETAIL

Scale: 1:10

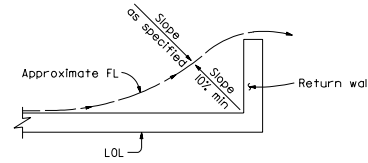


NOTE

Area of opening to be not less than that of pipe from wall gutter. Make opening transition in wall. Edge opening in curb face to 19 mm minimum radius.

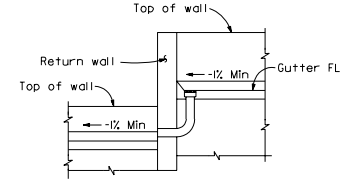
OUTLET DETAIL - SECTION B-B

Scale: 1:10

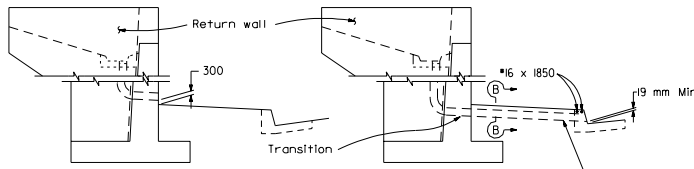


**WALL DRAINAGE
WHERE GUTTER NOT REQUIRED**

Scale: 1:50



SECTION A-A

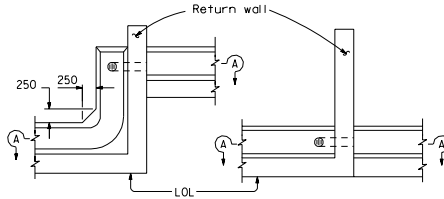


**RETAINING WALL,
FACE OF WALL OUTLET**

Scale: 1:50

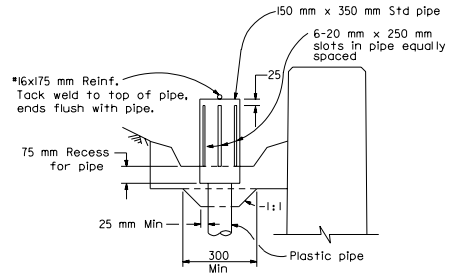
RETAINING WALL, GUTTER OUTLET

Scale: 1:50

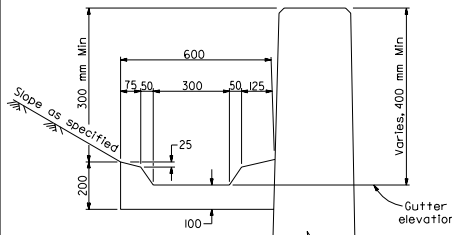


**PLAN-OFFSET WALL PLAN-CONTINUOUS WALL
DRAIN THROUGH RETURN WALL**

Scale: 1:50



WALL DRAIN WITH PIPE DOME



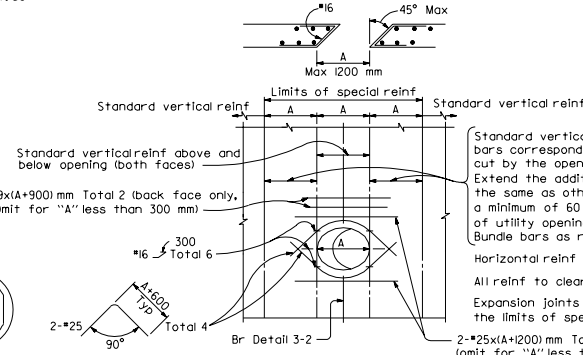
TYPICAL GUTTER DETAIL

Scale: 1:10



GRATE DETAIL

Sizes to fit standard hubs



RETAINING WALL UTILITY OPENING

Max size of opening (A) = 1200 mm
To be used in conjunction with sheet B3-8

Standard vertical reinforcement plus additional vertical bars corresponding in size and number to bars cut by the opening. Place half on each side. Extend the additional bars into the footing the same as other vertical wall reinforcement and to a minimum of 60 bar diameters above the top of utility opening if wall height permits. Bundle bars as required.

Horizontal reinf to be standard except as shown.

All reinf to clear opening by 50 mm minimum.

Expansion joints shall not be located within the limits of special reinforcing.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**RETAINING WALL
DETAILS NO. 2**

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

B3-9

1999 STD. PLAN B3-9